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REPORT

OF THE

Medical Officer of Health,

FOR THE YEAR 1921.

West Hartlepool:
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1922.

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PUBLIC HEALTH DEPARTMENT,

MUNICIPAL BUILDINGS,

WEST HARTLEPOOL,

June, 1922.

To The Mayor, Aldermen and Councillors of the

County Borough of West Hartlepool.

MR. MAYOR AND GENTLEMEN,

I beg to present herewith my Eighth Annual Report on the work of the Health Department during the year 1921.

In accordance with the Circular-Letter from the Ministry of Health, dated 28th December, 1921, details as to conditions which do not vary from year to year (and reported in 1920), have been omitted, and as a consequence this Report has been considerably reduced in volume.

To the Chairman and Members of the Health Committee, and to the staff of the Department, my thanks are extended for the encouragement and assistance so freely given.

I am, Gentlemen,

Your obedient Servant,

HERBERT M. CARGIN.

County Borough of West Hartlepool.

Report of the Medical Officer of Health

FOR THE YEAR 1921.

Natural and Social Conditions of the District.

POPULATION.

The result of the Census taken on the 19th June, 1921, is that West Hartlepool has been credited with a population of 68,689. The Registrar General has considered it necessary to make an adjustment for the non-resident population in certain areas and its re-distribution throughout the country.

His corrected figures, therefore, are 69,300, and on these figures the statistics of this Report are estimated. The population for the year 1920 was estimated at 70,000.

The estimated population in the various Wards is :—

North	West	Park	S.West	S.East	Central	N.East	Seaton	Total
8,456	8,365	8,749	10,609	9,387	10,989	8,360	4,385	69,300

POOR LAW RELIEF.

The statistics given below as to the relief afforded by the Guardians, has been kindly supplied to me by the Clerk.

IN-DOOR RELIEF.

1.—No. of persons admitted to Workhouse :

1920	...	1,053	For Indoor Relief, 551. For Medical Treatment, 502.
1921	...	1,532	For Indoor Relief, 830. For Medical Treatment, 702.

2.—Number of Persons in Workhouse on—

1st January,	1920	... 300
,,	1921	... 259
,,	1922	... 330

OUT-DOOR RELIEF.

3.—The number of new cases applying for Out-door Relief was—

	1920	1921
Men	63 ...	2,094
Women	156 ...	1,852
Children	263 ...	4,083
Total ...	483	8,029

4.—The number of Persons receiving Out-door Relief on—

	1st January		
	1920	1921	1922
Men ...	51 ...	63 ...	1,098
Women ...	233 ...	283 ...	1,356
Children ...	263 ...	331 ...	3,031
Total ...	547 ...	677 ...	5,485

5.—The number of new cases applying for Out-door Medical Relief only—

	1920	1921
Men	10 ...	33
Women	43 ...	64
Children	21 ...	49
Total ...	74 ...	146

6.—Number receiving Out-door Medical Relief who are also in receipt of Out-door Relief as above (No. 4)—

	1920	1921
Men	25 ...	7
Women	72 ...	15
Children	54 ...	7
Total	151 ...	29

HOSPITAL RELIEF.

CAMERON HOSPITAL.

	1920	1921
Beds available daily	42 ...	42
Average number of patients (resident)	41 ...	39
Number admitted as In-patients	833 ...	811
Average number of days residence for patients	18 ...	18
Operations	592 ...	569
Deaths	32 ...	36
Number of Out-patients	689 ...	682

Vital Statistics.

MARRIAGES.

The number of marriages was 594, a decrease of 206 as compared with 1920, and a decrease of 305 against those recorded in 1919.

The marriage statistics for the past seven years are as follows:

Year	Number of Marriages	Marriage Rate
1915	722	22.2
1916	587	18.06
1917	530	16.3
1918	622	18.29
1919	899	25.5
1920	800	22.8
1921	594	17.1

BIRTHS.

The births registered were 1,988. The corrected figures give 2,002 births, a decrease of 183 as compared with 1920.

The proportion of males to females born was 1,012 to 990.

There were 83 illegitimate births (37 males and 46 females), giving an illegitimate rate of 4.14% of the total births. The rates for the preceding three years were 3.52%, 5.18% and 6.01% respectively.

The birth rates for the past seven years in England and Wales and West Hartlepool, are set out in the Table below:

	West Hartlepool		England & Wales
Year	Number of Births	Birth Rate	Birth Rate
1915	1,685	25.92	21.8
1916	1,664	25.6	21.6
1917	1,473	22.6	17.8
1918	1,547	22.75	17.7
1919	1,677	23.98	18.5
1920	2,185	31.2	25.4
1921	2,002	28.8	22.4

The Ward birth-rates and percentage of births to total births, are as follows :—

Ward	Estimated Population	No. of Births	Percentage of the Total Births	Birth Rate per 1,000
North	8,456	242	12.1	28.6
West	8,365	259	13.02	30.9
Park	8,749	179	9.00	20.4
South-West	10,609	273	13.6	26.6
South-East	9,387	341	17.1	36.3
Central	10,989	385	19.3	35.03
North-East	8,360	214	10.7	25.5
Seaton	4,385	95	4.7	21.6
	69,300	1,988		

NATURAL INCREASE OF POPULATION.

The excess of births over deaths was 1,023 ; for 1920 it was 1,166, and for 1919, 549.

The natural increase of the population (per 1,000 persons) for the past five years, is given below :—

1921	1920	1919	1918	1917
14.7	16.6	7.8	7.0	8.6

DEATHS.

979 deaths took place, as compared with 1,019 for the previous year, and 1,128 in 1919.

160 of these death took place in other areas, viz. :—

Deaths in Workhouse Infirmary	115
,, ,, Hartlepools Hospital	7
,, ,, Port Sanitary Hospital	10
,, ,, Other Districts	28
Total	160

12 deaths of non-residents took place in this area.

TABLE I.—TABLE SHEWING CAUSES OF, AND AGES AT DEATH.

CAUSE OF DEATH	Nett Deaths at the Subjoined Ages of "Residents" whether occurring within or without the District.															Total Deaths whether of "Residents or Non-Residents" in Institutions in the District	Increase or Decrease as compared with 1920
	ALL AGES	Under 1 year	1 and under 2	2 and under 3	3 and under 4	4 and under 5	5 and under 10	10 and under 15	15 and under 20	20 and under 25	25 and under 35	35 and under 45	45 and under 55	55 and under 65	65 and upwards		
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Measles	12	2	6	3	...	1	...	...	...	...	...	...	...	...	...	...	—7
Scarlet Fever	3	...	...	1	...	...	1	1	...	...	...	...	...	...	...	...	+1
Whooping Cough	8	2	6	...	...	...	...	...	...	...	...	...	...	...	...	...	—8
Diphtheria and Membraneous Croup ...	7	...	3	1	1	...	2	...	...	...	...	...	...	...	...	...	+1
Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Fevers { Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Fevers { Enteric	6	...	...	...	...	...	...	...	1	1	1	...	...	3	...	...	+4
Fevers { Other Continued ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Epidemic Influenza ...	25	6	1	...	...	...	...	2	...	2	2	2	4	3	3	...	—13
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Diarrhœa and Enteritis (under 2 years) ...	34	29	5	...	...	...	...	...	...	...	...	...	...	...	...	...	+13
Puerperal Fever ...	3	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	same
Erysipelas	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	+1
Other Septic Diseases ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Phthisis	77	...	1	3	...	...	...	4	6	5	14	26	12	5	1	3	+22
Tuberculous Meningitis ...	7	...	1	2	1	1	1	1	...	...	...	...	...	...	...	...	—4
Other Tuberculous Diseases	16	2	3	2	1	...	1	2	...	...	2	1	...	1	1	...	—6
Cancer, Malignant Disease	74	...	...	...	1	...	...	...	...	...	3	8	19	17	26	2	+15
Bronchitis	85	31	10	...	...	1	2	1	...	...	...	1	2	5	32	...	—12
Pneumonia	94	17	12	3	1	2	7	3	...	4	3	13	4	12	13	5	—35
Cerebro-Spinal Meningitis	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	same
Poliomyelitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—2
Pleurisy	2	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	same
Other Respiratory Diseases	25	1	...	1	...	...	...	1	...	...	1	2	4	5	10	...	+6
Alcoholism and Cirrhosis of Liver	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	+1
Venereal Diseases ...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	+1
Atrophy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Debility	11	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—9
Marasmus	23	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Premature Births ...	40	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	+6
Diseases and Accidents of Parturition & Pregnancy	3	...	...	...	...	...	...	...	...	1	2	...	...	...	...	1	—3
Heart Disease	85	...	1	...	...	...	...	...	2	...	3	7	10	15	47	2	—4
Nephritis and Bright's Disease	19	...	1	...	...	...	2	1	...	...	1	5	2	3	4	2	—7
Other Violent Deaths ...	4	...	...	...	...	...	...	...	...	1	2	...	...	...	1	...	same
Suicides	7	...	...	...	...	...	...	...	1	...	1	1	2	1	1	...	+2
Accidents	21	1	...	1	...	...	2	...	1	1	2	3	2	5	3	10	—9
Appendicitis	2	...	...	...	...	...	1	...	...	...	...	1	...	...	...	1	—7
All Other Causes	279	24	11	1	...	4	8	2	2	3	9	18	27	44	126	19	—13
TOTAL NET DEATHS	979	192	61	18	5	9	27	18	14	19	46	92	89	121	268	45	—40

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TABLE 2.—THE DEATHS AS THEY OCCURRED IN THE WARDS.

CAUSE OF DEATH	WARD								Transferable Deaths (Workhouse)	Other Transferable Deaths	Total
	North	West	Park	SoWest	SoEast	Central	N East	Seaton			
Small Pox	...	...	...	...	...	...	...	...	...	...	...
Measles	...	1	...	2	3	5	1	...	...	...	12
Scarlet Fever	1	...	...	...	...	...	...	...	...	2	3
Whooping Cough	2	2	...	1	...	1	2	...	...	...	8
Diphtheria and Membraneous Croup	1	...	...	...	...	3	...	...	...	3	7
Croup	...	...	...	...	...	...	...	...	...	...	...
Fevers { Typhus	...	...	...	...	...	...	...	...	...	...	...
Fevers { Enteric	...	...	1	...	...	1	...	...	...	4	6
Fevers { Other continued ...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	5	4	2	5	1	5	3	...	...	...	25
Cholera	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa and Enteritis (under 2 years)	1	4	...	6	7	11	5	...	...	...	34
Puerperal Fever	...	...	1	...	...	2	...	...	...	...	3
Erysipelas	...	1	...	...	...	...	...	...	...	...	1
Other Septic Diseases ...	...	...	...	...	...	...	...	...	...	...	...
Phthsis	5	7	3	5	12	21	8	2	10	4	77
Tuberculous Meningitis ...	...	3	1	...	1	...	1	...	1	...	7
Other Tuberculous Diseases ...	1	...	1	2	2	5	1	...	4		16
Cancer, Malignant Disease ...	8	9	10	3	11	12	8	...	11	2	74
Bronchitis	6	7	9	12	16	11	8	6	10	...	85
Pneumonia	7	5	7	10	15	21	14	1	14	...	94
Cerebro-Spinal Meningitis ...	...	...	...	...	...	...	...	...	...	1	1
Poliomyelitis	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...		...	...	...	...	...
Pleurisy	...	...	...	...	1	...	1	...	...	...	2
Other Respiratory Diseases ...	2	1	2	5	3	4	1	1	6	...	25
Alcoholism and Cirrhosis of Liver	...	...	...	1	...	...	...	1	...	...	2
Venereal Diseases	...	...	...	...	1	...	...	...	2	...	3
Atrophy	...	...	...	...	...	...	...	...	...	...	...
Debility	2	...	...	1	1	2	4	...	1	...	11
Marasmus	...	2	1	...	2	10	6	1	1	...	23
Premature Births	5	4	3	3	7	9	5	3	1	...	40
Diseases and Accidents Parturition and Pregnancy	...	1	...	...	1	...	1	...	...	...	3
Heart Disease	7	12	9	8	12	13	9	5	10	...	85
Nephritis and Bright's Disease	2	3	1	2	1	4	2	1	1	2	19
Other Violent Deaths ...	...	...	...	...	...	...	1	...	...	3	4
Suicides	...	1	...	1	2	1	...	1	...	1	7
Accidents	1	1	...	1	2	5	3	...	3	5	21
Appendicitis	...	...	1	...	...	1	...	...	...	...	2
All Other Causes	22	27	39	32	24	49	21	7	40	18	279
TOTAL NET DEATHS ...	78	95	91	100	125	196	105	29	115	45	979

The corrected death-rate per 1,000 per annum is 14.1, being 0.4 per 1,000 less than those for 1920, 2.0 less than for 1919, and 7.8 less than for 1918.

The deaths and death-rates since 1911 are given in the Table below :—

Year	West Hartlepool Number of Deaths	West Hartlepool Death Rate	England & Wales Death Rate
1911 ...	1,007 ...	15.64 ...	14.6
1912 ...	939 ...	14.89 ...	13.3
1913 ...	1,027 ...	15.98 ...	13.7
1914 ...	1,037 ...	15.9 ...	14.0
1915 ...	1,144 ...	17.6 ...	15.1
1916 ...	937 ...	14.41 ...	14.0
1917 ...	909 ...	13.9 ...	14.4
1918 ...	1,495 ...	21.9 ...	17.6
1919 ...	1,128 ...	16.1 ...	13.8
1920 ...	1,019 ...	14.5 ...	12.4
1921 ...	979 ...	14.1 ...	12.1

It will be noted that the death-rate is the lowest recorded for the past eleven years (with the exception of 1917).

The total deaths and death rates in the Wards for 1920 and 1921 are as follows :—

Ward	1920 Estimated Population	1920 Deaths	1920 Death Rate	1921 Estimated Population	1921 Deaths	1921 Death Rate
North	10,645	101	9.4	8,456	78	9.2
West	11,172	99	8.7	8,365	95	11.3
Park	9,202	108	11.7	8,749	91	10.4
South-West ...	15,486	95	6.1	10,609	100	9.4
South-East ...	7,878	141	17.9	9,387	125	13.3
Central	9,564	166	17.3	10,989	196	17.8
North-East ...	3,306	93	28.1	8,360	105	12.5
Seaton	2,747	52	18.9	4,385	29	6.6
Total ...	70,000	855		69,300	819	

INQUESTS AND UNCERTIFIED DEATHS.

The number of inquests held was 50. 25 uncertified deaths, or 2.5 of the total deaths, were accepted. The figures for the previous year were 52 and 17 respectively.

DEATHS OF WEST HARTLEPOOL RESIDENTS IN OTHER AREAS.

Institution	Males	Females	Total
Hartlepool Union Infirmary	72	43	115
Port Sanitary Hospital	5	5	10
Hartlepools Hospital	4	3	7
York County Asylum...	4	—	4
County Borough Asylum, Middlesbrough ...	1	—	1
Other Areas	18	5	23
Total	104	56	160

The causes of death of persons resident in other areas recorded in West Hartlepool :—

Influenza	Bronchitis	Accidents	Violent Death	Suicides	Other causes	Total
1	2	4	1	1	3	12

INFANTILE MORTALITY.

The deaths of children under one year of age were 192, as compared with 225 in 1920, 189 in 1919, and 259 in 1918.

The infant mortality rate per 1,000 births is 95.9, the rates for 1920-1919-1918 being 102.9, 112.7 and 167.4 respectively. The mortality rate for England and Wales was 83.

TABLE 3.—INFANT MORTALITY DURING THE YEAR 1921.

Deaths from stated causes at various ages under 1 year of age.

CAUSE OF DEATH	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks	1 month & under 3 months	3—6 months	6—9 months	9—12 months	Total Deaths under 1 year
Chicken Pox	...	...	...	...	...	...	...	...	...	...
Small Pox		...	...	...	...	...	...	...	...	...
Measles	—	...	...	...	...	...	...	...	2	2
Scarlet Fever	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	1	...	...	1	2
Diphtheria and Membraneous Croup	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...
Tuberculosis Meningitis ...	...	...	...	...	...	...	...	...	...	...
Other Tuberculosis Diseases	...	...	...	...	...	...	...	1	1	2
Meningitis (not Tuberculous)	...	...	...	...	...	...	...	1	...	1
Convulsions	3	...	1	...	4	1	1	1	1	8
Laryngitis	...	...	...	...	...	...	...	...	...	...
Bronchitis	1	1	1	...	3	10	11	2	5	31
Pneumonia	...	...	...	...	...	...	5	5	7	17
Diarrhœa	...	...	...	...	...	2	1	2	1	6
Enteritis	...	2	1	1	4	3	8	6	2	23
Gastritis	...	...	...	...	...	...	1	...	...	1
Syphilis	...	1	1	...	2	1	...	...	...	3
Rickets	...	...	...	...	...	...	1	...	...	1
Suffocation (Overlying) ...	...	...	...	...	...	...	1	...	...	1
Injury at Birth	...	...	...	...	...	...	...	...	...	...
Atelectasis	1	...	...	...	1	...	...	...	...	1
Congenital Malformation ...	1	...	...	...	1	...	...	...	1	2
Premature Birth	32	3	2	2	39	1	...	...	...	40
Atrophy, Debility, and Marasmus	7	4	2	3	16	10	4	1	3	34
Other Causes	4	1	1	2	8	3	2	2	2	17
Totals	49	12	9	8	78	32	35	21	26	192
All Causes — Certified	47	12	9	8	76	31	34	20	26	187
All Causes — Uncertified	2	...	...	...	2	1	1	1	...	5

INFANTILE MORTALITY RATES.

Year	West Hartlepool Rate	England and Wales Rate
1912	103	95
1913	136	109
1914	111	105
1915	153	110
1916	112	91
1917	102.7	97
1918	167.4	97
1919	112.7	89
1920	102.9	80
1921	95.9	83

It will be seen that the Infantile Mortality Rate is the lowest recorded for the past 10 years.

The rate in the 96 great towns in England & Wales was 87.

A comparative Table of the principal causes of death amongst the infants for 1920 and 1921, is set out below :—

Disease	Number of Deaths 1920	1921	Increase or Decrease as compared with 1920
Atrophy, Debility, etc.	43	34	—9
Premature Births	34	40	+6
Bronchitis	33	31	—2
Pneumonia	19	17	—2
Measles	2	2	same
Gastritis and Enteritis	25	30	+5
Convulsions	17	8	—9
Tuberculosis (all forms)	8	2	—6
Whooping Cough	9	2	—7
All other causes	35	26	—9
Total	225	192	—33

The sexes of the children who died were :—

	1921	1920	1919
Males ...	114	122	109
Females	78	103	80
	192	225	189

The Infant Deaths, as they occurred in the Wards, are as follows :—

DISEASE	North	West	Park	South-West	South-East	Central	North-East	Seaton	Deaths in Workhouse	Other Transferable Deaths	TOTAL
Atrophy, Debility and Marasmus ...	2	2	1	1	4	11	10	1	2	—	34
Premature Births	6	4	3	4	5	9	5	3	1	—	40
Bronchitis ...	5	4	3	5	6	4	2	2	—	—	31
Pneumonia ...	2	—	2	2	5	6	—	—	—	—	17
Measles	—	—	—	—	—	2	—	—	—	—	2
Gastritis and Enteritis ...	1	3	1	6	6	10	3	—	—	—	30
Convulsions ...	1	4	2	—	—	1	—	—	—	—	8
Tuberculosis ...	—	—	—	1	—	1	—	—	—	—	2
Whooping Cough ...	—	1	—	—	—	—	1	—	—	—	2
All other causes ...	—	3	6	2	3	7	3	1	1	—	26
Total ...	17	21	18	21	29	51	24	7	4	—	192

Sanitary Circumstances of the District.

WATER SUPPLY TO THE BOROUGH.

Two samples of Company's water were taken, and both were reported as being satisfactory.

DRAINAGE AND SEWERAGE.

DRAIN TESTING.

178 drains were tested during the year, 173 being water tests in connection with the conversion of privy middens, etc., to water closets, and 5 being tested with smoke.

The tests were carried out in the Wards, as follows :—

North	West	Park	S.West	S.East	Central	N.East	Seaton	Total
14	46	21	33	16	15	28	7	178

The number of drains examined was 39.

CLOSET ACCOMMODATION.

The approximate number of closets of each type in the Borough at the end of the year was :—

		Number
Number of	Privies (fixed receptacles) ...	1,858
,,	Privy Pans (movable receptacles)	681
,,	Water Closets	11,524
,,	Hand Flushed Closets	3
	Total	14,066

CONVERSIONS.

The sum of £6 allowed to owners of property by the Corporation towards the expenses of carrying out conversions was discontinued in January, 1922. After that date a somewhat smaller grant was allowed, as is shown in the copy of the Resolution from the Minutes of the Council, 10th January, 1922, on the subject :—

> "That the present policy of requiring conversions to be "made where the existing conveniences are not sufficient, "as provided by Section 36 of the Public Health Act, "1875, be continued, and that as from the 10th January,

"1922, an allowance of £4 be made to each owner who "undertakes the whole of the work of conversion of privies, "including the putting in of the drains."

CONVERSION OF ASHPITS INTO CIRCULAR ASHPANS.

Copy of a Resolution passed by the Council, 10th Jan., 1922 :—

"That as from the 10th January, 1922, a grant of 15/- "be made towards the cost incurred by each owner who "converts an ashpit of the type used in connection with "privies into a receptacle provided with a circular ashpan."

The number of privy ash-pits converted into water closets, etc., was 137, and 67 privy pans were also converted, making a total for the year of 204.

The conversions were carried out in the Wards as follows :—

Wards	Privy Ash-pits converted to Water Closets and Ash-bins	Privy Pans converted to Water Closets and Ash-bins
North	12 ...	3
West	23 ...	26
Park	3 ...	15
South-West ...	25 ...	11
South-East ...	11 ...	6
Central	13 ...	6
North-East ...	41 ...	—
Seaton	9 ...	—
Total	137 ...	67

all of the above—with the exception of 5, in which Quine's tipping ashbins were provided—circular galvanised bins, having a tight-fitting cover and a cubic capacity of 3.5 cubic feet, were provided for ashes and refuse.

No additional water-closets were provided.

The conversions for the past 10 years are shown below :—

Year	Number of Conversions
1912	223
1913	724
1914	254
1915	79
1916	18
1917	8
1918	8
1919	76
1920	187
1921	204

SCAVENGING.

TABLE 4.—DISPOSAL OF HOUSE REFUSE.

Year ended 31st December, 1921	NUMBER OF LOADS COLLECTED					NUMBER OF LOADS DESTROYED	
Month	Night	Day	Total	Taken to Farms	Taken to Destr.	Sundry	Total including Destr.
January	540	1261	1801	345	1456	395	1851
February	476	1208	1684	282	1402	250	1652
March	484	1213	1697	244	1453	466	1919
April	484	1325	1809	357	1452	386	1838
May	661	1282	1943	512	1431	280	1711
June	500	1136	1636	493	1143	270	1413
July	392	893	1285	308	977	236	1213
August	448	945	1393	229	1164	252	1416
September	373	759	1132	174	958	189	1147
October	454	904	1358	198	1160	237	1397
November	540	1176	1716	297	1419	289	1708
December	464	1114	1578	363	1215	300	1515
	5816	13216	19032	3802	15230	3550	18780

SANITARY INSPECTION OF THE DISTRICT:

Inspections were made as follows :—

TABLE 5.

Number	
4,481	Visits to Dwelling-houses Shops and other premises.
181	,, Factories and Workshops.
69	,, Bakehouses.
19	,, Houses-let-in-Lodgings.
65	,, Common Lodging Houses.
33	,, Dairies, Cowsheds and Milkshops.
277	,, Fish, Fruit and Meat Shops.
152	,, Abattoir.
5	Drains tested with smoke.
173	,, ,, ,, water.
39	,, examined.
279	Complaints attended to.
1,078	Informal Notices served.
378	Statutory Notices served.

Defects or Nuisances discovered and dealt with are given below :

TABLE 6.

	Number Reported	Number Remedied
Drains not properly trapped	9 ...	8
,, defective	5 ...	4
,, stopped	64 ...	64
Dirty dwellings and workshops	17 ...	17
Defective yard pavements	56 ...	54
,, spouts and fall-pipes	362 ...	362
,, dwelling-house roofs...	277 ...	277
,, and dilapidated dwellings	25 ...	25
,, privies and ash-pits, etc., (converted into water-closets, etc.)	162 ...	204

TABLE 6—*Continued.*

	Number Reported	Number Remedied
Dirty and defective bake-houses	7 ...	7
Defective water-closets	222 ...	222
Accumulation of manure	7 ...	7
Animals improperly kept	10 ...	10
Defective or absent dust-pans	78 ...	42
,, ash-closet doors	275 ...	275
Dirty rain-water wells	75 ...	75
No supply of drinking water	64 ...	63
Other nuisances	777 ...	727
Total ...	2,492	2,443

In one instance it was necessary to institute legal proceedings against an owner for failing to remedy a defect, viz., a stopped drain. The magistrates made an order for the work to be done within seven days and the defendant to pay the costs, and this was carried out.

PREMISES CONTROLLED BY BYE-LAWS.

	Number
Fried Fish Dealers	52
Marine Stores	7
Gut Scrapers	2
Tripe Boilers	4
Tallow Melters	5
Bone Boilers	1
Common Lodging Houses	10
Registered Houses Let-in-Lodgings	22
Cowsheds and Milkshops and Purveyors of Milk ...	58
Slaughter Houses	1

Frequent visits were paid to premises where offensive trades were established.

COMMON LODGING HOUSES.

There were 10 Common Lodging Houses registered at the end of 1921, the number for the previous year being 11.

One house was closed and removed from the register.

Seven of these houses are registered under Section 69 (2) of the Public Health (Amendment) Act, 1907.

There was no infringement of the Bye-laws in respect of these establishments.

The following is a list of the "houses," with the number of rooms, etc. :—

Situation	Registered Number of Lodgers	Number of Rooms
18, Rokeby Street ...	18 ...	6
138, Burbank Street... ...	33 ...	8
23, St. John Street ...	18 ...	5
7, Tennant Street ...	30 ...	8
3, Redworth Street ...	17 ...	3
16, Mainsforth Terrace ...	56 ...	23
2, Edward Street ...	22 ...	4
29, George Street	11 ...	3
26, George Street	6 ...	2
15, Mainsforth Terrace ...	20 ...	7
Total ...	231 ...	69

HOUSES LET-IN-LODGINGS.

Twenty-two of these "houses" are registered. 19 visits were paid to them.

VENTILATION OF PICTURE HOUSES.

Inspection of 5 Picture Houses and 1 Theatre were made for the purpose of ascertaining the methods of ventilation, etc. In the

case of all of the Picture Houses the ventilation was grossly unsatisfactory, and the Local Authority was advised to withhold licences until the conditions had been made satisfactory.

Unfortunately, however, licences were granted, and promises made as to improvements with regard to ventilation have not been fulfilled. Up to the present, time has not permitted of atmospheric tests of the various houses being made and analysed.

There appears to be no question that the method of granting licences for short periods only, for premises unsatisfactory in this respect, is the method *par excellence* which is successful in having the necessary improvements effected.

PREPARATION OF ICE CREAM.

In many premises the preparation and storage of this material are effected under conditions giving rise to most serious doubt as to the desirability of allowing it to be distributed to the public.

Food.

MILK SUPPLY.

The number of cowsheds remains the same as for the previous year, viz., two, with accommodation for 33 cows.

WHOLESOMENESS OF THE MILK.

The number of samples of milk taken for analysis was 42; 36 of these being genuine and 6 adulterated or below standard.

No "appeal to the cow" samples were taken.

The results of the analyses of the 6 samples of Milk adulterated or below standard, are given below;

TABLE 7.

No. of Sample	Article	Result of Analysis	Remarks
863	Milk	Deficient in Fat to the extent of 20.34%	This was a sample of hot milk taken at a Cafe. Proceedings instituted. Fined £1, Costs £3/3/-
868	,,	Below standard in fat	No action taken
873	,,	Slightly deficient in non-fatty solids	No action taken
918	,,	Below standard in non-fatty solids ...	Vendor cautioned
925	,,	Below standard in non-fatty solids ...	Vendor cautioned
937	,,	Below standard in non-fatty solids...	No action taken

MARGARINE.

One sample of Margarine was taken, and it was delivered to the purchaser in the required wrapper labelled according to the Act.

DAIRIES, COWSHEDS AND MILKSHOPS ORDERS.

The number of these on the Register at the end of the year was 43 milkshops, 13 purveyors of milk, and 2 cowsheds, and to these 33 visits were paid.

20 milkshops and 5 purveyors ceased to sell milk and were removed from the Register, and 10 milkshops and 1 purveyor were registered.

TUBERCULOUS MILK.

No samples were taken to determine the presence of this infection, as powers do not appear to be available for dealing with vendors offending in this matter.

It is a matter for regret that no steps have been taken by the Local Authority or the local branch of the Milk Vendors' Association to introduce the sale of Grade A or Grade A (Certified) Milk in this area.

MILK & CREAM REGULATIONS, 1912-17.

42 samples of milk and 7 samples of cream were taken and analysed under the above regulations.

None of the samples of milk contained preservatives, but of the samples of cream five were found to contain preservatives. These were sold as preserved cream. Of the remaining 2 samples of cream, one was an informal sample and on analysis was found to contain .161% of boron compounds in terms of boric acid. Upon a formal sample being taken and submitted for analysis, the sample was certified to be free from preservatives.

"THE LOCAL AUTHORITIES MILK (MOTHERS AND CHILDREN) ORDER, 1919."

In March, 1921, the above Order was rescinded by the Local Authorities Milk (Mothers and Children) Recission Order, 1921.

This Recission Order was introduced "to enable expenditure in connection with the distribution of milk to mothers and children to be more effectually controlled."

It provides for the supply of milk only after a scheme has been drawn up to which the sanction of the Ministry has been obtained, and official sanction is given only after numerous conditions have been complied with, of which the following three are outstanding :—

1—Milk may be supplied at less than cost price in necessitous cases only, and (a) Nursing Mothers, (b) Expectant Mothers in the last three months of pregnancy; (c) Children up to 3 years of age, and exceptionally to children between 3 and 5 years of age.

2—The quantity of milk supplied must not ordinarily exceed one pint per day per person, but in the case of infants between 3 months and 18 months, in exceptional cases, 1½ pints a day may be supplied.

3—Milk is to be given only on the certificate of the Medical Officer.

The 14 conditions set out in Circular 185 (31st March, 1921) were observed by this Authority, and the approval of the Ministry to the scheme was obtained.

The estimate of the probable expenditure from 1st May to 31st October, which was required by the Ministry was given at £45 14s.

In August, 1921, Circular 234 was received from the Ministry. In this Circular the Minister regretted his inability to continue to pay 50% grant on expenditure at the rate incurred by Local Authorities during the last 18 months in connection with the supply of milk for mothers and children.

The Circular pointed out it was only possible to devote to the milk service an amount which will allow of payment of grant in respect of the last six months of the year, equivalent to 5% of Local Authorities' nett expenditure on milk in 1920-21. It was further stated that it is not anticipated that the amount available in respect of these services will admit of the payment of grant in excess of 7½% of the Authority's net milk expenditure in 1920-21.

Local Authorities were asked to use every effort to reduce their expenditure on milk in proportion to the amount of the grant.

As a consequence of these Circulars the local expenditure was considerably reduced. For the year 1920-1 the expenditure incurred by the Corporation for the supply of milk and food to mothers and children was £61.

The total cost to the Corporation for the whole year 1921 was £53 7s. 2d. in respect of milk supplied free or under cost price.

The following were the amounts distributed :—

4,721 pints of milk and 269 lbs. of Dried Milk were given free of charge.

33 nursing or expectant mothers were supplied with 248 dinners.

OTHER FOODS.

498 visits to premises where food is prepared, stored or exposed for sale, were paid.

In the Table below is given the articles of food that were destroyed as being unfit for human consumption :—

Box containing Meat and Fowls
166½ lbs. Frozen Meat.
33½ lbs. Meat.
3 Carcases Frozen Mutton.
1 Carcase Frozen Lamb.
1 Tin Compressed Corned Beef.
10 6 lb. Tins do.
3 1 lb. do.
102 lbs. Ox Tripe.
9 lbs. Bacon.
11 Packages Mushrooms.
5 Bags Yeast.
1⅝ Baskets Yeast.
30 Pork Pies.
24 Rabbits.
6 Tins Rabbits.
2 ,, Pineapple.
2 ,, Peaches.
5 ,, Salmon.
2 ,, Lobster.
1 ,, Tuna Fish.
25 ,, Tomatoes.
5 ,, Condensed Milk.

SANITARY CONDITION OF SUCH PREMISES.

Exception was taken in one or two instances to the cleanliness of the premises, but the defect was quickly remedied.

BAKEHOUSES.

There are 47 of these premises, and 69 visits were paid to them.

11 written notices were served requiring lime washing to be carried out, and better ventilation, by provision of proper flues to gas ovens, was secured in two instances.

The number of underground bakehouses remains the same as last year, namely, three.

DISEASE IN MEAT.

At the Abattoir, the following animals examined were condemned and destroyed :—

1 Beast condemned, suffering from jaundice.

96 Beasts with diseased organs or local disease (apart from tuberculosis) had the affected parts destroyed.

6 Pigs (3 dead in truck, two suffering from inflammation, one after castration).

59 Pigs, with local disease, had the affected parts destroyed.

12 Sheep (11 dead in truck, 1 dead in pen).

6 Sheep, with local disease, had the affected parts destroyed.

PUBLIC ABATTOIR.

There are no private slaughter-houses in the Borough, and almost all of the fresh meat sold in the town is killed in the Public Abattoir. In a few instances, however, animals are killed just outside the Borough, and the meat is disposed of to local tradesmen. A careful watch is kept for diseased meat.

ARRANGEMENTS FOR INSPECTION.

In no case was action necessary under Section 117 of the Public Health Act, 1875.

The carcases and parts thereof condemned for tuberculosis, are shown below.

	Carcases	Portions of Carcases
Beasts	2	... 53
Pigs	2	... 7

In the following is given a summary of the animals slaughtered at the Abattoir during the past five years :

Animals Slaughtered	1917	1918	1919	1920	1921
Beasts	4,774	3,120	3,407	3,527	2,786
Sheep and Lambs	6,721	14,213	14,803	7,815	10,087
Calves	299	24	135	428	224
Pigs	4,954	959	2,704	3,527	6,385

SALE OF FOOD AND DRUGS ACTS.

141 samples were taken. 10 of these were adulterated or below standard, and the remaining 131 were genuine.

The following are the particulars :—

TABLE 8.

Article	Number taken	Genuine	Doubtful	Adulterated or below standard
Milk	42	36	—	6
Dried Milk	3	3	—	—
Condensed Milk	1	1	—	—
Preserved Cream ...	5	5	—	—
Cream	2	1	—	1
Butter	15	15	—	—
Margarine	1	1	—	—
Lard	13	13	—	—

TABLE 8—*Continued.*

Article	Number taken	Genuine	Doubtful	Adulterated or below standard
Tea	3	3	—	—
Cocoa	2	2	—	—
Coffee and Chicory ...	1	1	—	—
Cheese	2	2	—	—
Jams	4	4	—	—
Marmalade	2	2	—	—
Bread	1	1	—	—
Beef Dripping	2	2	—	—
Pork Dripping	1	1	—	—
Vinegar	2	2	—	—
Lemon Squash	1	1	—	—
Lime Juice	1	1	—	—
Preserved Peas	1	1	—	—
Liquorice Powder ...	3	3	—	—
Bi-Carbonate of Soda ...	1	1	—	—
Borax	4	4	—	—
Icing Sugar	1	1	—	—
Ground Almonds ...	3	3	—	—
Cornflour	1	1	—	—
Arrowroot	1	1	—	—
Mincemeat...	1	1	—	—
Corned Beef	1	1	—	—
Cream of Tartar	1	1	—	—
Glycerine	1	1	—	—
Oil of Almonds	1	1	—	—
Paregoric	2	2	—	—
Mercurial Ointment ...	2	—	—	2
Camphorated Oil ...	2	1	—	1
Toffee	1	1	—	—
Whisky	4	4	—	—
Rum	3	3	—	—
Gin	1	1	—	—
Brandy	2	2	—	—
Totals ...	141	131	—	10

SUMMARY OF SAMPLES TAKEN.

	Number of Samples
First Quarter	36
Second Quarter	38
Third Quarter	31
Fourth Quarter	36
Total ...	141

In addition to the 6 samples of milk found to be adulterated or below standard (Table 7), the following articles were not genuine :

TABLE 9.

No. of Sample	Article	Result of Analysis	Remarks
881	Mercurial Ointment	Deficient in Metallic Mercury to the extent of 62.30% of Mercury	Informal Sample. Formal Sample taken, see No. 885
885	Mercurial Ointment	Deficient in Metallic Mercury to the extent of 62.17%	See * below
884	Camphorated Oil	Deficient in Camphor to the extent of 6.70%	Informal Sample. Formal sample taken and found genuine
917	Cream	Certified to contain .161% of Baron Compounds in terms of Boric Acid	Informal Sample. Formal sample taken and found genuine

* As the purchaser was asked at the time of sale by the retailer whether he wanted the strong or weak ointment, it was considered by the Local Authority that no proceedings should be taken.

Prevalence of and Control over Infectious Disease.

INFECTIOUS DISEASES.

The following notifications were received :—

Disease	Number of Cases notified
Scarlet Fever	142
Diphtheria	39
Erysipelas	19
Ophthalmia Neonatorum	28
Typhoid Fever	8
Cerebro-Spinal Meningitis	1
Puerperal Fever	6
Pneumonia	115
Pulmonary Tuberculosis	130
Other Tuberculosis Diseases	64
Total ...	552

Cases not compulsorily notifiable, and reported through the Education Office, are shown in the following Table :—

	Number of Cases
Measles	218
Chicken Pox	25
Whooping Cough	20
Mumps	161
Total ...	424

The deaths during the past 3 years from the more important infectious diseases, are shown below.

Disease	Number of Deaths 1919	1920	1921
Typhoid Fever	1	2	6
Measles	2	19	12
Scarlet Fever	17	2	3
Whooping Cough	5	16	8
Diphtheria and Croup ...	7	6	7
Influenza	96	38	25
Erysipelas	—	—	1
Pulmonary Tuberculosis ...	70	55	77
Other Forms of Tuberculosis	25	33	23
Diarrhœa and Enteritis (under 2 years) ...	16	21	34

ZYMOTIC DEATH RATE.

70 deaths resulted from the seven principal Zymotic Diseases, as follows :—

	Number of Deaths
Small Pox	—
Typhoid Fever	6
Scarlet Fever	3
Diphtheria	7
Measles	12
Whooping Cough	8
Diarrhœa	34
Total ...	70

The death rate is therefore 1.01 per 1,000 of the population. The rate for 1920 was .94, and for 1919, .68.

SMALLPOX.

There were no cases of this disease in the Borough.

VACCINATION.

To Mr. Nicholson, Vaccination Officer, I am indebted for the following figures :—

	Number
Births Registered	1,988
Successfully Vaccinated	1,141
Conscientious Objectors	553
Died Unvaccinated	114
Insusceptible	4
Postponed by Medical Certificate	77
Removed to other Districts	15
Lost sight of	12
Still under notice	72

Because of the conscientious objections of their parents, 553 (or 28.3%) of the total children born were not vaccinated. This is the highest percentage recorded in West Hartlepool, as the following shows :—

Year	Percentage
1917	24.7%
1918	25.9%
1919	20.3%
1920	26.1%
1921	28.3%

TYPHOID FEVER.

There were 8 cases notified, 4 of which were treated in the Port Sanitary Hospital. 6 deaths occurred, and of these, 2 were nursed at home and 4 in the Hospital. Of the deaths in the Hospital, one was a case notified in 1920.

Three of the 8 cases occurred in one house, and of these two died in the Hospital. The occurrence of 3 cases in the same house at intevals pointed to the possibility of some continued source

of infection, such as a carrier. Accordingly, specimens from members of the family (one from the first patient) and a sample of the rain water were sent for examination. No typhoid bacilli could be isolated from the specimens or detected in the rain water. The reason the rain water was examined was due to a statement made that some household clothing had been washed in the well.

In no case was the source of infection traced.

The Ward distribution of the Cases was as follows :—

Park	S. West	S. East	Central	Seaton	Total
1	4	1	1	1	8

The cases occurred in the following months :—

January	June	July	August	September	October	November	Total
1	1	1	1	1	2	1	8

The number of cases, together with the deaths and death rates in West Hartlepool and in England and Wales, is shown in the next Table, for the past five years :—

		West Hartlepool		England and Wales
Year	Number of Cases	Deaths	Death Rate	Death Rate
1917	—	—	—	.03
1918	5	1	.01	.03
1919	4	1	.01	.01
1920	5	2	.02	.01
1921	8	6	.08	.02

SCARLET FEVER.

The number of cases notified was 143, as compared with 213 in 1920, and 506 in 1919. In no instance was it discovered that the disease was being spread from the Schools, and there was no evidence of milk-borne disease.

There were 3 deaths, giving a mortality rate of 2.09 ; the rate for the previous year being .9.

The death rate per 1,000 of the population was .04, that for England and Wales was .03.

The cases and deaths were distributed amongst the various Wards as follows :—

	North	West	Park	S.West	S.East	Central	N.East	Seaton	Transferable Deaths	Total
No. of Cases	27	20	29	11	8	7	29	11	—	142
Deaths ...	1	—	—	—	—	—	—	—	2	3

The ages and deaths of the patients notified were :—

Age	Number of Cases	Number of Deaths
Under 1 year ...	2	—
1 to 2 years ...	4	—
2 to 3 ,,	3	1
3 to 4 ,,	9	—
4 to 5 ,,	2	—
5 to 10 ,,	70	1
10 to 15 ,,	35	1
Over 15 ,,	17	—
Total	142	3

The number of patients who received institutional treatment in the Port Sanitary Infectious Diseases Hospital was 68, or 47.8% of the total notified.

When the 68 patients who received institutional treatment were returned cured, 1 other case occurred, giving 1 "return" case.

The number of "secondary" cases was 25, and they occurred in 17 different households. In 9 of these families the first patient was nursed at home, and in 8 instances the first patient had been removed to hospital.

Of the 25 "secondary" cases, 9 were nursed at home and 16 removed to hospital.

During their investigations the staff discovered no "missed" cases of this disease.

DIPHTHERIA.

39 cases were notified as compared with 55 for 1920, and 31 for 1919.

7 deaths resulted from this disease, equal to a mortality rate of 17.9; the rates for the previous two years being 10.9 and 22.5 respectively.

The death rate per 1,000 of the population was .1. The rate for England and Wales was .12.

The Ward distribution of the cases and deaths was—

	North	West	Park	S.West	S.East	Central	N.East	Seaton	Transferable Deaths	Total
Cases	10	7	1	7	3	7	2	2	—	39
Deaths	1	—	—	—	—	3	—	—	3	7

The ages, and age at death, of the persons attacked with this disease, were :—

Age	Number of Cases	Deaths	Percentage of Deaths to Cases
Under 1 year ...	1	—	—
1 to 2 yoars ...	4	3	75%
2 to 3 ,, ...	1	1	100%
3 to 4 ,, ...	5	1	20%
4 to 5 ,, ...	—	—	—
5 to 10 ,, ...	15	2	13.3%
10 to 15 ,, ...	5	—	—
15 years and upwards ...	8	—	—
Total ...	39	7	17.9

The number of patients removed to the Port Sanitary Hospital was 9, and of these 3 died. Of the patients nursed at home, 4 died.

138 phials, or 276,000 units of diphtheria antitoxin were given to the medical practitioners for the treatment of their cases—an equivalent of 7,076 units per patient. Of the 138 phials, 57 were given free to the doctors, and the remainder (81) were paid for.

There were 54 swabs examined in the Health Department from suspected cases of Diphtheria, and of these 38 were negative and 16 positive.

There were no "secondary" or "return" cases of this disease.

MEASLES AND GERMAN MEASLES.

The number of cases reported by the Education Authority and Health Visitors was 218.

12 deaths took place, giving a mortality rate of 5.5% and a death rate of .17 per 1,000 of the population. The death rate for England and Wales was .06.

The deaths occurred in the following Wards :—

West	S. West	S. East	Central	N. East	Total
1	2	3	5	1	12

The ages at which death took place was as follows :—

Under 1 year	1 and under 2	2 and under 3	3 and under 4	4 and under 5	Total
2	6	3	—	1	12

The months in which the deaths occurred were :—

May	June	July	October	November	December	Total
1	3	4	2	1	1	12

DIARRHŒA AND ENTERITIS.

The deaths of children, under 2 years of age, from these diseases were 34.

The deaths during the past 5 years were—

Year	Number of Deaths
1917	13
1918	69
1919	16
1920	21
1921	34

The monthly incidence of the deaths was—

Jan.	Feb.	March	April	May	July	August	Sept.	Oct.	Nov.	Dec.	Total
3	1	1	2	2	2	2	9	7	4	1	34

WHOOPING COUGH.

The Education Authority reported 20 cases.

8 deaths occurred, giving a percentage mortality rate of 40, and a death rate of .11 per 1,000 per annum.

The deaths for the past 5 years are shown below :—

	1917	1918	1919	1920	1921
Deaths ...	2	5	5	16	8

The deaths occurred at the following ages :—

	Under 1	1—2	Total
Deaths ...	2	6	8

ERYSIPELAS.

There were 19 cases notified, and 1 death.

The Ward distribution of the cases and death was :—

	North	West	Park	S.West	S.East	Central	N.East	Seaton	Total
Cases ...	2	5	—	2	2	4	4	—	19
Death ...	—	1	—	—	—	—	—	—	1

CEREBRO-SPINAL MENINGITIS.

One case was notified, and this patient died in the Port Sanitary Hospital. The death rate per 1,000 per annum was .01. In addition, there was one suspected case.

The particulars relating to the notified case, are as follows :—

Male, 15 years, South-West Ward, notified 25th June, 1921, removed to Port Sanitary Hospital, 25th June, 1921, died in Hospital, 5th July, 1921. There was no known source of infection.

ACUTE ANTERIOR POLIOMYELITIS.

There were no cases.

ENCEPHALITIS LETHARGICA.

There were no cases.

POLIOENCEPHALITIS.

There were no cases.

INFLUENZA.

25 deaths took place from this disease. This number is equal to 2.5% of the total deaths, and gives a death-rate of .36 per 1,000 per annum.

The monthly incidence of the deaths from Influenza is given below :—

January	February	March	April	September	October	November	December	Total
3	10	5	2	1	1	1	2	25

In the following Table a weekly statement of the deaths from Influenza, Bronchitis, and Pneumonia is given :—

TABLE 10.

Week ending—

Disease	8th Jan.	15th Jan.	22nd Jan.	29th Jan.	5th Feb.	12th Feb.	19th Feb.	26th Feb.	5th Mar.	12th Mar.	19th Mar.	26th Mar.	2nd Apr.	9th Apr.	16th Apr.	23rd Apr.	30th Apr.	7th May	14th May	21st May	28th May	4th June	11th June	18th June	25th June	2nd July	9th July
Influenza		1	1	1	1	2	4	2	1	1	2	1	1	1		1											
Bronchitis	4	2	3	3	8	4	2	5	2	3	3	1	1	1	1	3	4		3		1		1	1	3		
Pneumonia	2		3	1	1	6	4	5	8	4	3	2	3	1	3		1		2	1	1	2	1	3	2		2
Total	6	3	7	5	10	12	10	12	11	8	8	4	5	3	4	4	5		5	1	2	2	2	4	5		2

Week ending—

Disease	16th July	23rd July	30th July	6th Aug.	13th Aug.	20th Aug.	27th Aug.	3rd Sept	10th Sept	17th Sept	24th Sept	1st Oct.	8th Oct.	15th Oct.	22nd Oct.	29th Oct.	5th Nov.	12th Nov.	19th Nov.	26th Nov.	3rd Dec.	10th Dec.	17th Dec.	24th Dec.	31st Dec.	Tot'l
Influenza										1			1					1				1		1		25
Bronchitis		1		2		2			2		1				1	1	1	1	2		3	1	3	2	3	85
Pneumonia	1	1						1	1		2	1	3			2	3	1		4		5	2	4	2	94
Total	1	2		2		2		1	3	1	3	1	4		1	3	4	3	2	4	3	7	5	7	5	204

MALARIA, DYSENTRY and TRENCH FEVER.

There were no cases notified.

Details of Disinfection.

	Number
Room Disinfected (Infectious Cases) ...	362
Rooms Disinfected (Vermin)	56
Total ...	418

Disinfection was carried out in 328 houses, representing a total of 418 rooms.

The following articles were removed for disinfection by steam under pressure :—

Article	Number
Beds	476
Pillows and Bolsters	910
Carpets and Rugs	168
Articles of Clothing	847
Sheets, Blankets and Quilts	1,475
Sundry Articles...	430
Total ...	4,306

125 Articles removed from infected houses were destroyed.

148 of the 328 houses were disinfected on account of tuberculosis.

In addition, the following articles were disinfected for the Military Authorities :—

Article	Number
Pillows	1
Blankets	226
Sundry Articles...	3
	230

Contagious Diseases of Animals.

Mr. Benjamin Hoadley, M.R.C.V.S., Veterinary Surgeon to the Corporation, reports as follows :—

"The only contagious diseases we have had reported during 1921, are 24 cases of Parasitic Mange."

Tuberculosis.

Barrasford, Blencathra, Wensleydale, Stanhope and Wolsingham Sanatoria admitted all of the adult patients, while the juveniles were sent to Stannington.

PULMONARY TUBERCULOSIS.

There were 130 cases notified.

The notification received since 1912 were as follows :—

Year ...	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	Total for 10 years
Notifications	164	211	112	127	104	134	175	134	91	130	1,382

The deaths for the past 10 years are given in the next Table :

Year	WEST HARTLEPOOL No. of Death	Death Rate	Death Rate England & Wales
1912 ...	67 ...	1.04 ...	—
1913 ...	71 ...	1.09 ...	—
1914 ...	70 ...	1.07 ...	1.04
1915 ...	69 ...	1.06 ...	1.16
1916 ...	60 ...	.92 ...	1.18
1917 ...	70 ...	1.07 ...	1.27
1918 ...	75 ...	1.1 ...	1.5
1919 ...	70 ...	1.0 ...	1.01
1920 ...	55 ...	.78 ...	.89
1921 ...	77 ...	1.1 ...	.88

NOTIFICATIONS.

The 130 notifications were distributed amongst the various Wards as follows :—

North	West	Park	S.West	S. East	Central	N. East	Seaton	Total
8	18	6	16	25	39	13	5	130

The ages of the patients notified in 1921, and the age at which death occurred, are given below :—

Ages	Cases Notified	Deaths Registered	Percentage Mortality
Under 5 years ...	8	4	50%
5 to 10 ,, ...	10	—	—
10 to 15 ,, ...	14	3	21.4%
15 to 20 ,, ...	13	3	23%
20 to 25 ,, ...	10	4	40%
25 to 35 ,, ...	24	8	33.3%
35 to 45 ,, ...	30	14	46.6%
45 to 55 ,, ...	13	6	46.1%
55 to 65 ,, ...	7	4	57.1%
65 and upwards	1	—	—
Total ...	130	46	Average : 35.3%

Of the notified cases, 74 were males and 56 females, and of these 23 males and 23 females died, giving a percentage mortality of 31.8 and 41.07 respectively.

The ages of those persons who were notified in previous years and who died in 1921, are given in the following Table :—

Age at Death	No. of Deaths
Under 5 years	—
5 to 10 ,, ...	—
10 to 15 ,, ...	—
15 to 20 ,, ...	4
20 to 25 ,, ...	2
25 to 35 ,, ...	5
35 to 45 ,, ...	12
45 to 55 ,, ...	5
55 to 65 ,, ...	2
65 and upwards	1
	31

Of the 46 patients who were notified and died in 1921, 11 were notified after death, and 28 died within three months of notification. It may be assumed that all of these patients were notified much too late for any treatment to be of use in curing the disease or even delaying the inevitable termination of it. These very unsatisfactory results are accounted for in some degree by the protean manifestations of the disease in its early stages. Consideration must also be given to the fact that at the present time there is, for economical reasons, a tendency to rely on home cures rather than incur the expense of calling in the doctor.

Frequently, in advanced disease, it is found, lest their fear that they have a fatal disease be confirmed, patients hesitate to submit themselves to examination.

5 of the 31 patients notified in previous years, who died during 1921, were notified late in 1920, and died within three months of their notification.

OTHER FORMS OF TUBERCULOSIS.

The notifications were 64 and the deaths 23.

The cases occurred in the Wards as follows :

North	West	Park	S.West	S. East	Central	N. East	Seaton	Total
10	10	2	12	12	10	3	5	64

The age incidence of the diseases is given in the Table below :

Ages	Notified Cases, 1920	Mortality amongst these cases	Percentage Mortality
Under 5 years	22	13	59%
5 to 10 ,,	25	1	4%
10 to 15 ,,	8	2	25%
15 to 20 ,,	—	—	—
20 to 25 ,,	1	—	—
25 to 35 ,,	6	2	33.3%
35 to 45 ,,	1	1	100%
45 to 55 ,,	—	—	—
55 to 65 ,,	1	1	100%
65 and upwards	—	—	—
Total	64	20	Average : 31.2%

In the following list is given the ages of the patients who were notified in previous years and who died in 1921.

Age at Death	No. of Deaths
Under 5 years	—
5 to 10 years	1
10 to 15 ,,	—
15 to 20 ,,	1
20 to 25 ,,	—
25 to 35 ,,	—
35 to 45 ,,	—
45 to 55 ,,	—
55 to 65 ,,	1
Total	3

Of the 64 patients notified in 1921, 20 died. Of these, 7 were notified after death, and 12 within 2 months of death.

The cases notified, comprised 36 males and 28 females, and of these, 8 males and 12 females died, equal to a percentage mortality of 22.2 amongst the males and 42.8 amongst the females.

The number of notifications received for the past 6 years were as follows :

	1916	1917	1918	1919	1920	1921	Total
No. of Notified Cases ...	103	117	87	74	77	64	522

The mortality for the past 9 years from these diseases is set out below :—

Year	No. of Deaths	Death Rate	Death Rate England and Wales
1913 ...	58 ...	.89 ...	.34
1914 ...	39 ...	.6 ...	.32
1915 ...	49 ...	.75 ...	.34
1916 ...	49 ...	.75 ...	.35
1917 ...	50 ...	.76 ...	.36
1918 ...	31 ...	.45 ...	.33
1919 ...	25 ...	.35 ...	.29
1920 ...	33 ...	.47 ...	.24
1921 ...	23 ...	.33 ...	.24

The sources from which the notifications were received were as follows :—

	Pulmonary	Non-Pulmonary
General Practitioners ...	85 ...	30
Medical Officers and Institutions	23 ...	6
School Medical Officers ...	5 ...	10
Medical Officer of Health ...	17 ...	18
Total	130 ...	64

The age and sex of each patient notified, together with the particular parts affected by tuberculosis, are shown in Table 11 :—

TABLE 11.—ALL NOTIFIED CASES OF TUBERCULOSIS, 1921.

AGES	Pulmonary			Abdominal			Meninges			Joints			Spine			Other Organs			Disseminated			All Forms		
	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total
Under 1 year	1	—	1	2	1	3	—	1	1	1	—	1	—	—	—	—	—	—	—	—	—	4	2	6
1 and under 2	3	—	3	2	2	4	2	1	3	—	—	—	—	—	—	1	—	1	—	—	—	8	3	11
2—3	1	1	2	1	1	2	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	2	4	6
3—4	—	1	1	—	1	1	—	1	1	—	—	—	—	—	—	2	—	2	—	—	—	2	3	5
4—5	—	1	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
5—10	5	5	10	4	—	4	1	—	1	2	1	3	2	—	2	6	9	15	—	—	—	20	15	35
10—15	5	9	14	1	1	2	1	—	1	2	1	3	—	—	—	1	1	2	—	—	—	10	12	22
15—20	5	8	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	8	13
20—25	3	7	10	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	4	7	11
25—35	14	10	24	—	2	2	—	—	—	1	1	2	—	—	—	1	1	2	—	—	—	16	14	30
35—45	20	10	30	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	20	11	31
45—55	10	3	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	3	13
55—65	7	—	7	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	8	—	8
Over 65	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
All Ages	74	56	130	11	8	19	4	5	9	6	3	9	2	1	3	13	11	24	—	—	—	110	84	194

BACTERIOLOGICAL WORK.

The number of specimens of sputum examined at the Health Department was 289, and of these—

71 were Positive (Tuberculosis)

218 were Negative (Non-Tuberculosis)

TUBERCULOSIS (All Forms).

The deaths at intervals after notification are shown in the next Table for the past 7 years :—

Year	Deaths before Notification	Deaths after Notification: Under 1 month	Under 6 months	Under 12 months	Under 18 months	Under 24 months	Over 24 months
1915	20	26	22	20	5	2	—
1916	24	19	41	15	2	—	—
1917	17	30	32	22	3	3	—
1918	17	23	26	13	9	6	12
1919	17	19	29	14	2	1	13
1920	12	21	20	10	2	6	17
1921	18	27	26	9	4	7	9

The deaths at intervals of those cases notified in 1921, are shown :—

Deaths before Notification	Under 1 month	Under 6 months	Under 12 months	Total
18	30	17	1	64

It may be safely concluded that all of those patients who died within 6 months of notification were in a hopeless stage of disease when they first came under observation.

PARTICULARS OF TREATMENT.—PULMONARY TUBERCULOSIS.

Fifty patients out of 130 notified cases made application for and were treated under the Scheme of the Corporation.

At the first examination of these patients by the Tuberculosis Officer, the classification of the stage of disease of these 50 persons was as follows :—

	1st	2nd	3rd	Total
Insured ...	18	8	4	30
Uninsured ...	6	1	2	9
School Children	8	2	1	11
Total ...	32	11	7	50

These figures shew that of the total who availed themselves of treatment under the Corporation's Scheme, 64% were in stage 1 of the disease, 22% in stage II., and 14% in stage III.

The percentages for 1920 were, 43.7 in stage I., 29.1 in stage II., and 27.1 in stage III.

In the following Table the form of treatment as prescribed for these patients is shewn :—

	Sanatorium	Dispensary	Domiciliary	Hospital	Shelters
Insured	12	13	7	1	2
Uninsured	4	7	2	—	—
School Children	5	8	—	3	—
Total	21	28	9	4	2

The result of treatment was as follows :—

	Cured	Improved	Trans-ferred	Retro-gressing	Died	Not Attending	At work	No trace of disease	Total
Insured	1	11	1	3	4	4	2	4	30
Uninsured	—	2	—	2	1	2	1	1	9
School Children	2	4	—	—	—	1	2	2	11
Total ...	3	17	1	5	5	7	5	7	50

PARTICULARS OF TREATMENT.—NON-PULMONARY TUBERCULOSIS.

The notifications received were 64, and of these patients 32 applied for and received treatment.

The classification of these patients was as under :—

Insured Persons	Uninsured	School Children	Total
4	6	22	32

Treatment was advised, as follows :—

	Dispensary	Hospital	Domiciliary	Sanatorium	X Rays	School	Open-air School	No Treatment
Insured ...	2	2	—	—	2	—	—	—
Uninsured ...	2	2	2	1	—	—	—	—
School Children	14	2	2	5	1	2	2	—
Total ...	18	6	4	6	3	2	2	—

The result of treatment was :—

	Cured	Improved	Stationary	Dead	Retrogressing	Not attending	No trace of disease	Total
Insured ...	—	1	1	1	—	1	—	4
Uninsured ...	1	3	—	1	—	—	1	6
Schcol Children	2	11	—	—	—	4	5	22
Total ...	3	15	1	2	—	5	6	32

EXAMINATIONS, ATTENDANCES, ETC.

(All Cases).

230 Special Examinations of notified persons were made.

48 ,, ,, unnotified ,, ,,

These Examinations were allocated as follows :—

	Insured	Uninsured	Total
Notified Cases ...	99	131	230
Unnotified Cases ...	6	42	48

1,828 Attendances at the Dispensary were made by 255 notified persons.

93 Attendances at the Dispensary were made by 51 un-notified persons.

The following treatment was recommended :—

	Notified		Un-notified		
	Insured	Uninsured	Insured	Uninsured	Total
Domiciliary	7	13	—	5	25
Dispensary	46	44	1	4	95
Sanatorium	25	26	—	4	55
Hospital	6	8	—	3	17
Observation	2	2	2	10	16
X-Ray	3	5	—	—	8
Light Work	12	1	3	3	19
Shelters	5	—	—	—	5
School	—	14	—	3	17
Open-Air School ...	—	20	—	5	25
Open-Air Life	—	—	1	5	6
Total ...	106	133	7	42	288

History of notified cases, 1921 :—

Disease	Previous history of disease in family or contacts	No history of disease in family, etc.	Total	Disease Attributable to										
				Infection	Influenza	Pneumonia	Debility	Bronchitis	Food	Army	Employment	Accidents	Not known	Total
Pulmonary	62	68	130	57	2	4	6	3	—	19	11	—	28	130
Other Forms	25	39	64	18	—	—	2	—	5	2	2	8	27	64
Totals	87	107	194	75	2	4	8	3	5	21	13	8	55	194

A survey of all cases of tuberculosis notified from 1st January, 1915, to 31st December, 1921, was taken in May, 1922, and resulted as follows :—

TABLE 12.

	Notified	Died	Lost trace of	Trans-ferred	Off List	Remainder Living	Total
1915—Pulmonary ...	127	85	18	10	10	4	127
,, —Other Parts	79	42	9	—	25	3	79
1916—Pulmonary	104	71	5	14	10	4	104
,, —Other Parts	103	47	5	4	42	5	103
1917—Pulmonary	134	74	10	7	32	11	134
,, —Other Parts	117	47	6	5	51	8	117
1918—Pulmonary	175	82	6	23	48	16	175
,, —Other Parts	87	30	4	3	35	15	87
1919—Pulmonary	134	56	3	7	43	25	134
,, —Other Parts	74	22	1	6	37	8	74
1920—Pulmonary	91	43	1	5	18	24	91
,, —Other Parts	77	27	2	2	30	16	77
1921—Pulmonary	130	60	1	3	26	40	130
,, —Other Parts	64	23	—	1	10	30	64
Total ...	1,496	709	71	90	417	209	1,496

NOTE.—The figures for the total cases notified are accurate, but, owing to patients being lost sight of and the deaths of some of them being ascribed to other causes than tuberculosis, the other figures are approximate only.

The next Table furnishes statistics of the number of persons notified, the number who applied for treatment under the Corporation Scheme, and the results of treatment of those patients suffering from Pulmonary Tuberculosis.

PULMONARY TUBERCULOSIS.

TABLE 13.

Year	No. Notified	No Treated	Classification			Results—Stage I				Results—Stage II				Results—Stage III			
			I	II	III	At work or at School	Transferred	Invalided	Dead	At work or at School	Transferred	Invalided	Dead	At work or at School	Transferred	Invalided	Dead
1915	127	24	10	8	6	3	2	1	4	1	1	1	5	1	—	—	5
1916	104	44	18	15	11	6	3	3	6	3	1	1	10	—	—	—	11
1917	134	55	23	21	11	14	3	1	5	8	—	1	12	—	—	—	11
1918	175	114	37	55	22	27	4	2	4	38	8	1	8	2	2	4	14
1919	134	65	33	19	13	24	1	2	6	6	—	3	10	1	—	1	11
1920	91	48	21	14	13	12	1	6	2	3	1	3	7	1	—	1	11
1921	130	50	32	11	7	13	1	15	3	--	1	5	5	1	—	1	5
	895	400	174	143	83	99	15	30	30	59	12	15	57	6	2	7	68

NOTE.—The Dispensary was opened November, 1915.

These figures shew that only 400 out of 895 patients notified as suffering from Pulmonary Tuberculosis, applied for treatment.

Of these 400, 174 or 43.5% were in Stage I. of the disease.
143 or 35.7% ,, II. ,,
83 or 20.7% ,, III. ,,
(Turban Gerhardt Classification.)

Only 155 of the patients treated under the Corporation Scheme died, in comparison with 316 deaths amongst persons notified, but who failed to present themselves for treatment.

226, or 56.5% of the total number examined by the Tuberculosis Officer, were past the stage when cure could be expected.

SHELTER COLONY.

The number of patients who underwent treatment at the Shelter Colony during the summer, was 5 adults.

TUBERCULOSIS VISITORS.

The visits paid by the Visitors to Tuberculosis patients in their homes was 1,385, composed of 191 primary and 1,194 secondary visits. 1,257 visits were paid last year.

AFTER-CARE.

For the 9 months ending 31st December, 1921, nourishment in the form of milk, butter, eggs and oatmeal have been supplied to 53 patients at a total cost of £174 14s. 3d., of which £78 4s. 11d. was in respect of tuberculous soldiers, etc., and was refunded by the Local Pensions Committee.

Grants of clothing were also made to 20 patients at a cost of £56 7s. 3d.

Venereal Diseases.

The deaths from these diseases numbered 3, all of whom were under 1 year of age.

Two of these deaths took place in the Workhouse Infirmary, and one in the South-East Ward.

COUNCIL SCHEME.

A Corporation Venereal Diseases Centre was opened at Mill House, on 14th Nov., 1921, at which patients are treated free of charge.

665 tubes of Novarsenobillon were supplied free of cost to practitioners during the year, and of these 650 were used in the Cameron Hospital, and 15 in private practice.

315 pathological specimens were sent to the Durham College of Medicine, Newcastle-upon-Tyne. Of these, 284 were sent by the private practitioners and 31 by the Treatment Centre. The cost, including expenses, was £104 3s. 2d. The specimens sent were composed of 295 for Wassermann reaction, 16 for detection of gonococci and 4 urines for the presence of gonococci.

TREATMENT OF WEST HARTLEPOOL PATIENTS.

West Hartlepool patients were treated at four centres—Cameron Hospital, West Hartlepool; Venereal Diseases Clinic, West Hartlepool; Royal Infirmary, Sunderland, and "Dreadnought" Hospital, Greenwich, S.E. The number of patients treated at these four clinics was 228, made up of 155 males and 73 females.

850 attendances were made by these 228 persons, equal to an average of 3.7 attendances per patient.

Table 14 shows the disease from which each person suffered:

TABLE 14.

FORM OF DISEASE	CENTRE				Total
	Cameron Hospital	Treatment Centre—West Hartlepool	Sunderland	Greenwich	
Syphilis only	171	14	—	2	187
Soft Chancre only	—	1	—	—	1
Gonorrhœa	—	20	2	—	22
Syphilis and Soft Chancre ...	—	—	—	—	—
Syphilis and Gonorrhœa ...	—	4	—	—	4
Gonorrhœa and Soft Chancre	—	—	—	—	—
Syphilis, Soft Chancre and Gonorrhœa	—	—	—	—	—
Bubo	—	—	—	—	—
Conditions other than Venereal	—	14	—	—	14
Total	171	53	2	2	228

The number of persons treated with Salvarsan or its substitutes was 186.

Below is given the examinations of pathological material :—

TABLE 15a.—Corporation Centre.

	For detection of			For Wassermann Reaction
	Spirochetes	Gonococci	Other Organisms	
(a) Specimens which were examined at and by the Medical Officer of the Treatment Centre	1	27	21	—
(b) Specimens from persons attending at the Treatment Centre which were sent for examination to an approved laboratory	—	—	—	20

TABLE 15b.—From other Centres.

	For detection of			For Wassermann Reaction
	Spirochetes	Gonococci	Other Organisms	
(a) Specimens which were examined at and by the Medical Officer of the Treatment Centre	—	3	—	1
(b) Specimens from persons attending at the Treatment Centre which were sent for examination to an approved laboratory	—	—	—	171

The Salvarsan substitutes used in the treatment of Syphilis, with usual initial and final doses, is given below.

TABLE 16.

Centre	Novarsenobillon	
	Initial Dose	Final Dose
Cameron Hospital, West Hartlepool	.2 gm.	.6 gm.
Treatment Centre, do.	.3 or .45 gm.	.75 or .99 gm.

CANCER.

The deaths from this disease numbered 74, an increase of 15 as compared with the previous year's total.

The death rate per 1,000 of the population from cancer is 1.06 and the total (74) represents 7.5% of the total deaths.

The deaths from this cause, together with the rates since the year 1914, are set out below :—

	1914	1915	1916	1917	1918	1919	1920	1921
Number of Deaths	64	59	74	49	50	90	59	74
Death Rates ...	.98	.9	1.13	.75	.73	1.28	.84	1.06

39 of the deaths were ascribed to Carcinoma, 2 to Sarcoma, 6 to Epithelioma, 1 to Rodent Ulcer, 1 to Scirrhus and 25 to Cancer (no classification)

The deaths occurred in the following Wards :—

North	West	Park	S. West	S. East	Central	N. East	Seaton	Transferred Deaths	Total
8	9	10	3	11	12	8	—	13	74

In the following Table the sex of the persons who died, and the part of the body affected, is shewn :—

TABLE 17.

Parts affected — Age	Under 35		35 to 45		45 to 55		55 to 65		65 to 75		75 up		Total	
Sex	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Peritoneum, Intestines and Rectum ...	–	–	–	2	2	–	1	–	4	3	–	–	7	5
Stomach, Liver, etc.	1	1	–	–	2	1	4	3	2	3	1	2	10	10
Reproductive Organs	–	1	–	2	–	7	–	1	–	3	–	–	—	14
Breast	–	–	–	2	–	3	–	1	–	2	–	–	—	8
Other Glands... ...	–	–	–	1	–	–	–	–	1	–	–	–	1	1
Mouth	–	–	–	–	1	–	3	–	1	–	–	1	5	1
Bones	–	–	–	–	–	–	–	–	–	–	–	–	—	—
Other Parts	1	–	–	1	2	1	3	1	1	2	–	–	7	5
Total ...	2	2	–	8	7	12	11	6	9	13	1	3	30	44

The notice in regard to Cancer, as set out in last year's Report, was published in the local press six times during the year.

Disinfection of the bed and sick room is offered in all cases of death from this disease.

BRONCHITIS AND PNEUMONIA.

The deaths from these two diseases numbered 179—Bronchitis 85, Pneumonia 94—as compared with 226 for 1920.

These deaths are equivalent to 18.2% of the total deaths, and a death rate of 2.5 per 1,000 per annum.

The deaths and death rates for the past 8 years are set out below :—

Year	Deaths from Bronchitis	Death Rate	Death Rate England & Wales	Deaths from Pneumonia	Death Rate	Death Rate England & Wales
1914	63	1.43	1.07	112	1.72	1.07
1915	107	1.64	1.4	142	2.18	1.34
1916	78	1.2	1.25	126	1.93	1.06
1917	71	1.09	1.25	98	1.5	1.14
1918	107	1.57	1.89	216	3.17	1.56
1919	135	1.92	1.26	151	2.15	1.08
1920	97	1.38	—	129	1.84	.9
1921	85	1.22	—	94	1.3	.9

The death rates in the various Wards are as follows :—

Disease	North	West	Park	S.West	S. East	Central	N. East	Seaton
Bronchitis	.7	.8	1.02	1.1	1.7	1.0	.9	1.3
Pneumonia	.8	.6	.8	.9	1.5	1.9	1.6	.2
Totals...	1.5	1.4	1.82	2.0	3.2	2.9	2.5	1.5

The monthly mortaltiy incidence from these two causes, was as follows :—

Disease	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Bronchitis	14	18	8	9	4	5	1	4	3	2	5	12	85
Pneumonia	7	16	17	6	4	8	4	1	4	7	6	14	94
Totals...	21	34	25	15	8	13	5	5	7	9	11	26	179

The deaths from these two causes at the different ages, are as follows :—

	Number of Deaths.	
	Bronchitis	Pneumonia
Under 1 year	31 ...	17
1—2 years	10 ...	12
2—3 ,, ...	— ...	3
3—4 ,, ...	— ...	1
4—5 ,, ...	1 ...	2
5—10 ,, ...	2 ...	7
10—15 ,, ...	1 ...	3
15—20 ,, ...	— ...	—
20—25 ,, ...	— ...	4
25—35 ,, ...	— ...	3
35—45 ,, ...	1 ...	13
45—55 ,, ...	2 ...	4
55—65 ,, ...	5 ...	12
65 and upwards	32 ...	13
Totals	85 ...	94

Of the total deaths from these two complaints, 77 occurred in children under 5 years of age, or 43.01%, and amongst those under one year they numbered 48, or 26.8%. Over 65 years the deaths were 45 and were equivalent to a mortality rate of 25.1%.

115 cases of Pneumonia were notified.

Maternity and Child Welfare.

MIDWIVES' ACT, 1902 and 1918.

The number of Midwives on the roll at the beginning of the year was the same as the previous year, namely, 13.

Mrs. Bennett, 18, Hampshire Street.

Mrs. Coward, 3, Lister Street.

Mrs. Craven, 5, Beechwood Road.

Mrs. Dale, 4, Christopher Street.

Miss Edmunds, 143, Stockton Road.

Miss Elstob, 44, York Road.

Miss Grainger, Windermere Road.

Mrs. Gill, 13, Hopps Street.

Mrs. Kelsey, 36, Benson Street.

Mrs. Preston, 14, Brunswick Street.

Mrs. Towell, 181, Alma Street.

Mrs. Skeen, 3, Lister Street.

Miss Simpson, 14, Church Street, Seaton Carew.

104 visits by the Inspectors were paid to these Midwives. Two Midwives were removed from the roll by the Central Midwives Board, owing to proved negligence. The work of the other Midwives proved to be satisfactory.

Twenty-two handy-women were interviewed—some repeatedly.

MEDICAL ASSISTANCE, ETC., IN CASE OF CONFINEMENTS.

Circular 161, dated 24th December, 1920, from the Ministry of Health, came into force in January, 1921.

This Circular contained 2 important matters, viz., an alteration in the Rules of the C.M.B. and in the scale of fees payable to doctors called in by the midwives.

The following Circular-Letter was sent to the Medical Practitioners in January, 1921 :—

"I have to call your attention to Circular 161 under date of the 24th December, 1920, received from the Ministry of Health.

Two Important Matters, which closely concern Medical Practitioners, appear in the Circular, they are as follows :—

An Alteration has been effected in the Rules of the Central Midwives Board, which comes into force on July 1st next, whereby Section 14 of the Midwives Act, 1918, becomes applicable to all cases in which a midwife calls in a doctor under the Rules of the Central Midwives Board. Rule E20 of the C.M.B. will henceforth read as follows :—

In all Cases of illness of the patient or child, or of any abnormality occurring during pregnancy, labour, or lying-in, a midwife, as soon as she becomes aware thereof, must call in to her assistance a registered medical practitioner, using for this purpose the form of sending for medical help [Rule 23 (a)], properly filled up and signed by her. The conditions referred to in this Rule shall be deemed to be emergencies for the purpose of Section 14 of the Midwives Act, 1918.

The foregoing Rule particularly applies to :

(1) All cases in which a woman during pregnancy, labour, or lying-in appears to be dying or is dead.

Pregnancy.

(2) In the case of a pregnant woman, when there is any abnormality or complication, such as—

Deformity or stunted growth.

Loss of blood.

Abortion or threatened abortion.

Excessive sickness.

Puffiness of hands or face.

Fits or convulsions.

Dangerous varicose veins.

Purulent discharge.

Sores of the genitals.

Labour.

(3) In the case of a woman in labour at or near term, when there is any abnormality or complication, such as—

Fits or convulsions.

A purulent discharge.

Sores of the genitals.

A malpresentation.

Presentation other than the uncomplicated head or breach.

Where no presentation can be made out.

Where there is excessive bleeding.

Where two hours after the birth of the child the placenta and membranes have not been completely expelled.

In cases of serious rupture of the perineum, or of other injuries of the soft parts.

Lying-in.

(4) In the case of a lying-in woman, when there is any abnormality or complication, such as :—

Fits or convulsions.

Abdominal swelling and tenderness.

Offensive lochia, if persistent.

Rigor, with raised temperature.

Rise of temperature above 100.4°F., with quickening of the pulse, for more than 24 hours.

Unusual swelling of the breasts, with local tenderness or pain.

Secondary post-partum hæmorrhage.

White leg.

The Child.

(5) In the case of the child, when there is any abnormality or complication, such as :—

Injuries received during birth.

Any malformation or deformity endangering the child's life.

Dangerous feebleness.

Inflammation of, or discharge from, the eyes, however slight.

Serious skin eruptions, especially those marked by the formation of watery blisters.

Inflammation about, or hæmorrhage from, the navel.

(b) The "Second Item" which closely concerns the General Practitioner is the question of the "Scale of Fees" payable to doctors for their services in the cases already referred to. These fees have been increased, and the following is the scale now in force as from 1st of January, 1921.

(1) Fee for all attendances of a doctor at parturition (i.e., from the commencement of labour until the child is born), whether operative assistance or not is involved, including all subsequent visits during the first ten days inclusive of the day of birth, £2/2/-

(2) Fee for attendance of a second doctor to give an anaesthetic, whether on account of abortion or miscarriage, at parturition or subsequently, £1/1/-

(3) Fee for suturing the perineum, for the removal of adherent or retained placenta, for exploration of the uterus, for the treatment of post-partum hæmorrhage or for any operative emergency arising directly from parturition, including all subsequent necessary visits during the first ten days, inclusive of the day of birth, £1/1/-. This fee not to be payable when the fee under (1) is payable.

(4) Fee for attendance at, or in connection with, an abortion or miscarriage, including all subsequent visits during the ten days after and including the first visit, £1/1/-

(5) Fee for visits to mother or child not included under (1) to (4).

Day (9 a.m. to 8 p.m.) ...	...	5s. 0d.
Night (8 p.m. to 9 a.m.)	...	10s. 0d.

(6) The usual mileage fee of the district to be paid for all attendances under (1) to (5) of this scale.

(7) No fee shall be payable by the local supervising authority:

(1) Where the doctor has agreed to attend the patient under arrangement made by or on behalf of the patient or by any Club, Medical Institute or other Association of which the patient or her husband is a member.

(2) Where the doctor receives or agrees to receive a fee from the patient or her representative.

(3) In respect of any services performed by the doctor after the expiry of four weeks from the day of birth."

Midwives notified that medical help had been sent for in the following cases:—

On behalf of the Mother:—

	Number
Prolonged Labour	36
Retained Membranes	2
Hæmorrhage	9
Laceration	14
Uterine Complications	2
Other causes	30
Total ...	93

On behalf of the Child:—

	Number
Still Birth	8
Ophthalmia Neonatorum	14
Premature Birth	16
Weakness at Birth	2
Other Causes	30
Total ...	70

Two medical aid notes were sent in mistake, the midwife in each case acting as maternity nurse, the doctors being engaged for the case.

745 of the births were attended by the midwives.

NOTIFICATION OF BIRTHS.

The births registered numbered 1,988, and of these 1,967 were notified and 21 unnotified. The number of unnotified births is equal to 1.1% of the total births, as compared with 3.3% in 1920, 4.9% in 1919, and 7.7% in 1918.

The sources from which the notifications were derived were as follows.

	Number
Doctors	1,212
Midwives	745
Parents, Health Visitors, etc.	10
Un-notified	21
Total ...	1,988

WORK OF HEALTH VISITORS IN RELATION TO NEWLY-BORN CHILDREN.

The registered births numbered 1,988. Primary visits to 1,759 babies were paid, equal to 87.9% of the total, the percentage for the two previous years being 85.5% and 87.3%.

In addition, 3,984 secondary visits were paid, making a total of 5,743 visits to children under one year of age. 2,082 visits were paid to children between the ages of 1 and 5 years, making a grand total of 7,825 visits under the Maternity and Infant Welfare Scheme.

INFANT WELFARE WORK.

The following attendances were made at the various Clinics :—

Clinic	New Cases		Old Cases	
	Number of Cases	Total Visits	Number of Cases	Total Visits
Mill House ...	242	1,305	43	108
Alice Street ...	100	285	23	98
Dale Street ...	130	160	23	148
Seaton Carew ...	23	228	—	—

INFANT ATTENDANCE AT THE CENTRES.

Particulars of the attendances are given in the Table below :—

CENTRE	Total No. of Children attending Centre	Attendanees	No. of Children who made first attendances	No. of Children who attended previous years	No. of new attenders under one year of age	No. of new attenders between 1—5 years
Mill House	285	1,413	242	43	199	43
Alice Street	123	383	100	23	71	29
Dale Street	153	308	130	23	105	25
Seaton Carew	23	228	23	—	15	8
Total	584	2,332	495	89	390	105

The reason for the attendances at the various Centres was as follows :—

DISEASE	CENTRE				Total
	Mill House	Aliee Street	Dale Street	Seaton	
Rickets	32	10	14	5	61
Hernia...	18	7	12	—	37
Bronchitis	14	5	8	—	27
Diarrhœa, sickness, due to improper food, etc. ...	18	10	10	6	44
Skin Disease	16	7	6	—	29
Ringworm	1	—	—	—	1
Phimosis	14	5	12	1	32
Improper Feeding	89	22	38	22	171
Other Causes	72	34	37	7	150
Total	274	100	137	41	552

The methods of feeding these infants when first coming to the Centres, were as follows :—

Method	ALL CENTRES		
	Regular Hours	Irregular Hours	Total
Natural (Breast)	86	106	192
Artificial (various)	95	43	138
Combined (Natural and Artificial)	28	31	59
Children over 1 year—various diets	54	51	105
Breast-feeding over 1 year of age	—	5	5
	263	236	499

Amongst the infant deaths under one year of age, the following occurred among children attending the various centres :—

Centre	No. of Children attending under 1 year	No. of deaths of these children	Percentage Mortality
Mill House	199 ...	6 ...	3.01%
Alice Street	71 ...	1 ...	1.4%
Dale Street	105 ...	2 ...	1.9%
Seaton Carew ...	15 ...	— ...	—

ANTE-NATAL WORK.

401 expectant mothers were visited by the Health Visitors, and 36 of these attended the different Centres for advice.

Their reasons for attending were as follows :—

	Number
Want of Nourishment	13
Specific	1
Sickness and Constipation ...	1
Fainting Debility	5
Pains generally	4
Varicose Veins	3
Bronchitis	4
Indigestion	3
Sciatica	1
Pleurisy	1
Total	36

MATERNITY HOSPITAL.

The premises known as "Grantully," Westbourne Road, have been acquired by the Corporation for the purpose of a Maternity Home. The Ministry of Health have approved of the scheme, and the necessary alterations are now being carried out.

HOME NURSING.

Of the 28 cases of Ophthalmia Neonatorum notified, 23 were treated by the doctor and health visitor, the health visitor and midwife, or by the health visitor and parents.

CONVALESCENT HOMES.

The Corporation do not possess a Convalescent Home, but through the courtesy of the Crippled Children's Guild, delicate children have been afforded the benefits of a holiday at the Elwick Home.

ILLEGITIMATE CHILDREN.

The only institution admitting unmarried mothers and illegitimate children is the Workhouse Infirmary.

STILL BIRTHS.

The notified still-births numbered 85. The figures for the previous two years were 115 and 98. This figure represents 4.2% of the total births, the percentage for the preceding year being 5.26. The rate per 1,000 births per annum was 42.2.

The notifications were received from the following sources :—

	Number
Doctors	77
Midwives	8
Total	85

Every case was enquired into with regard to the cause,

INFANTILE DEATHS.

These deaths (see Vital Statistics) numbered 192, equivalent to an infantile mortality rate of 95.9 per 1,000 births. The rate for the previous year was 102.9.

VOLUNTARY AID.

Much appreciated assistance has been voluntarily rendered at the Infant Welfare Centres by a number of ladies.

PUERPERAL FEVER.

Six cases were notified and three deaths occurred, equal to a percentage of 50.

The notified cases for the past 8 years are given in the following Table :—

Year	No. of Cases	No. of Deaths	No. of Cases per 1000 births	No. of deaths per 1000 births
1914	3	—	1.58	—
1915	2	2	1.19	1.19
1916	4	1	2.4	.6
1917	4	1	2.7	.7
1918	4	1	2.5	.6
1919	7	4	4.1	2.3
1920	8	2	3.6	.9
1921	6	3	2.9	1.4

No cases were removed to Hospital.

Deliveries—Instrumental...1.

B.B.A. 1. (Nothing to note in others.)

In one case—where a midwife attended—no doctor was called in. Negligence was proved against this midwife and her name was removed from the Midwives' Roll. In another case, a midwife who was attending had no thermometer. She was reported to the Central Midwives Board, and her name was removed from the Roll.

The Ward distribution of the cases was as follows:—

Park	S. East	Central	N. East	Total
3	1	1	1	6

OPHTHALMIA NEONATORUM.

The notifications of this disease received were 28.

The notifications for the past 8 years are shewn below:

Year	No. of Notifications	Rate per 1000 births
1914	25	—
1915	21	—
1916	42	—
1917	36	—
1918	41	27.8
1919	49	29.2
1920	62	28.3
1921	28	13.4

Treatment of these patients was given by—

	Number
Doctor and Health Visitor ...	20
Health Visitor and Midwife ...	2
Doctor and Midwife ...	3
Health Visitor and Parents ...	1
Hospital	—
No trace of disease when visited	2
Total ...	28

Results of treatment was as follows:—

	Number
Complete Recovery ...	23
Weakness in Eyes	1
Still under treatment ...	4
Total ...	28

The total visits (primary and secondary) to these cases by the Health Visitors was 323.

Notifications were received from :—

	Number
Doctors	22
Midwives	6
Total ...	28

Several of the cases were noticed by the Health Visitors some days before notificaiton. In two of the cases, the Health Visitor was visiting and instructing *re* the attention to the eyes (such as simple bathing with boric) 6 or 8 days before notification was received.

It is doubtful whether all cases notified were those of purulent ophthalmia, showing how much more careful the midwives are now than they were previously. Several of the cases, however, were very bad. One case in particular was visited several times to ensure freedom from disease. This case cleared up in a satisfactory manner.

MEASLES.

218 cases were received through the Education Authority and Health Visitors. The deaths numbered 12, which is equal to a mortality rate of 5.5 (see page 42).

EPIDEMIC DIARRHOEA (see page 42).

The number of deaths resulting was 34.

WHOOPING COUGH (see page 43).

The reported cases numbered 20, and there were 8 deaths, giving a mortality rate of 40% and a death rate of .11 per 1,000 of the population.

POLIOMYELITIS (see page 44).

No cases notified.

Appendix.

1.—GENERAL INFORMATION.

Area (acres)	2,958
Population (1921)	69,300 (estimated)
No. of Inhabited Houses (1921)	14,239 (Census, 1921)
No. of Families or separate occupiers (1921)	15,161 (Census, 1921)
Rateable Value	£298,217
Sum represented by a penny rate ...	£1,095

2.—EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

	Total	M.	F.	
Births—Legitimate ...	1,919	975	944	Birth Rate (R.G.), 29.0
Illegitimate ...	83	37	46	
Deaths ...	979	537	442	Death Rate (R.G.), 13.9

Number of Women Dying in, or in consequence of, childbirth—

From Sepsis	3
,, Other causes	3

Deaths of Infants under one year of age per 1,000 births :—

Legitimate, 91.4 Illegitimate, 4.4 Total, 95.9

Deaths from Measles (all ages)	12
,, Whooping Cough	8
,, Diarrhœa (under 2 years)	34

(3) NOTIFIABLE DISEASES DURING THE YEAR.

DISEASE		Total Cases Notified	Cases admitted to Hospital	Total Deaths
Diphtheria		39	11	7
Scarlet Fever		142	69	3
Enteric Fever (including Paratyphoid		8	4	6
Puerperal Fever		6	—	3
Pneumonia		115	3	94
Other Diseases, generally notifiable—				
Erysipelas		19	—	1
Ophthalmia Neonatorum		28	—	—
Cerebro Spinal Meningitis		1	1	1
Tuberculosis—				
(a) Pulmonary ...	M	74	11	42
	F	56	7	35
	Total	130	18	77
(b) Non-Pulmonary	M	36	5	10
	F	28	3	13
	Total	64	8	23

DISEASE	CASES			Vision unimpaired	Vision impaired	Total Blindness	Deaths
	Notified	Treated					
		At home	In H'spit'l				
Ophthalmia Neonatorum ...	28	28	—	23*	1	—	—

*4 were still under treatment at end of year.

An analysis of the total cases and deaths of the above diseases, in age groups, is given in the general body of the Report.

The percentage of non-notified tuberculosis deaths to total tuberculosis deaths was 18, the ratio being 18-100.

4.—SUMMARY (for reference) OF NURSING ARRANGEMENTS, HOSPITALS AND OTHER INSTITUTIONS AVAILABLE IN THE DISTRICT.

Professional Nursing in the Home.

(*a*) General.—This is provided by one voluntary association—The District Nursing Association.

(*b*) Infectious Diseases.—All cases of Ophthalmia Neonatorum and certain cases of Measles, Pneumonia, Epidemic Diarrhœa, etc., are visited by the Health Visitors.

(*c*) Midwives.—Names and addresses of midwives practising in the district are contained in the body of this Report. One practising midwife was subsidised by the local authority. For the Seaton Carew District one of the Health Visitors conducted midwifery cases.

CLINICS AND TREATMENT CENTRES.

Situation	Nature of Accommodation	By whom provided	Remarks
Maternity Centres :—			
Mill House, Stranton ...	2 rooms	Local Authority	1 Session weekly
Mission Hall, Alice Street	1 ,,	,,	,, ,,
St. Oswald's Mission Room, Dale St. ...	2 ,,	,,	,, ,,
Men's Club, Ashburn St., Seaton Carew ...	2 ,,	,,	,, ,,
School Clinic, Mill House, Stranton	3 ,,	,,	[weekly 4 minor ailments Clinics 4 Dental Clinics weekly 2 Ophthalmic Clinics weekly
Tuberculosis Dispensary do.	3 ,,	,,	1 Clinic weekly
Venereal Diseases Clinic do.	3 ,,	,,	3 Clinics weekly Men, 2 ; Women, 1

HOSPITALS PROVIDED OR SUBSIDISED BY THE LOCAL AUTHORITY.

1—Tuberculosis	...Nil.
2—Maternity	...Nil.
3—Children	...Nil.
4—Fever	...Subsidised.
5—Small Pox	...Nil.
Other ...	...Yearly Subscriptions are paid to the the Cameron (Voluntary) Hospital.

The Hospitals Available for the district, are the Cameron Hospital, Hartlepools Hospital, Workhouse Infirmary, and the Port Sanitary Infectious Diseases Hospital. The accommodation at the Cameron Hospital, which is the only hospital withint he Borough, is set out in the body of the Report.

AMBULANCE FACILITIES.

The Corporation possesses a horse ambulance, which is used for the removal of patients suffering from infectious diseases.

6.—LABORATORY WORK.

See Examinations, issue of Diphtheria Anti-toxin, etc., in body of Report.

LIST OF ADOPTIVE ACTS, BYE-LAWS AND LOCAL REGULATIONS RELATING TO PUBLIC HEALTH :—

LOCAL ACT.

West Hartlepool Extension and Improvement Act, 1870.

LOCAL ORDERS.

Bye-Laws regulating—Public Abattoir (1896) Offensive Trades (1917), Common Lodging Houses (1888), New Streets and Buildings (1899), Public Bathing (1887), Dairies, Cowsheds and Milkshops (1891),

Means of escape in case of Fire (Factory and Workshops, 1914), Public Market (1892), Good Rule and Government (against Spitting) 1908, Sanitary Conveniences (1909), Tents, Vans and Sheds (1921), Pleasure Grounds, Public Walks, and a Village Green at Seaton Carew (1906).

ADOPTIVE ACTS.

Public Health Amendment Act, 1907, Parts 5, 6 and

Sections 16, 18, 19, 20, 22, 25, 26, 27 and 33, comprised in Part 2.

,, 34, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50 and 51, comprised in Part 3

,, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63 65 66, and 68, comprised in Part 4

,, 95, comprised in Part 10, came into force, 1909.

7.—SANITARY ADMINISTRATION.

All included in body of Report.

8.—PUBLIC HEALTH STAFF,

including all who are employed in work connected with the Public Health whether under the Health, Maternity and Child Welfare, and Education Committees.

Medical Officer of Health, School Medical Officer, Tuberculosis Officer, etc.:

H. M. Cargin, M.D., D.P.H.

Assistant Medical Officer of Health, Assistant Tuberculosis Officer, Assistant School Medical Officer, etc.:

Gordon Lilico, M.B., Ch.B., D.P.H.

Assistant School Medical Officers, part time:

J. Waters, M.R.C.S., L.S.A.

E. Seaton Cockell, M.R.C.S., L.S.A.

Eustace Swanwick, M.R.C.S., L.R.C.P.

Ophthalmic Surgeon (part-time), J. R. Foster, M.B., F.R.C.S.

School Dentist (part-time), E. W. Manners, L.D.S. (Dunelm).

Veterinary Surgeon to Corporation—Benjamin Hoadley, M.R.C.V.S.

Sanitary Inspectors and Inspectors under Sale of Food & Drugs Acts: Harold V. Robinson C.R.S.I., and John T. Durkin. C.R.S.I.

Health Visitors—Miss A. Nixon, Miss E. V. Thomas, Miss Suiter, Miss Bradshaw, Miss Flower,

School Nurses—Miss E. Smith and Miss M. Wilkinson.

Chief Clerk—T. B. Clark.

Clerks—Miss F. Candler, Miss Bradley, Miss Proud.

Disinfectors—J. Allen, R. L. Oliver.

Superintendent of Public Abattoir—J. Watson.

Public Analyst (part-time)—Cyril J. H. Stock, B.Sc., F.I.C.

9.—HOUSING.

Number of new houses erected during the year :—

(a) Total	84
(b) As part of a Municipal Housing Scheme	82

1.—Unfit Dwelling Houses.

Inspection—(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	1,495
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	394
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	51
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation... ...	701

2.—Remedy of Defects without Service of Formal Notice.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	700

3.—Action under Statutory Powers.

A.—Proceedings under Section 28 of the Housing, Town Planning, etc., Act, 1919.

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	25
(2) Number of dwelling-houses which were rendered fit—	
(a) by owners	17
(b) by Local Authority in default of owners ...	7
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	1

B.—Proceedings under Public Health Acts.

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	1,038
(2) Number of dwelling-houses in which defects were remedied—	
(a) by owners	1,014
(b) by Local Authority in default of owners ...	24

C.—Proceedings under Section 17 and 18 of the Housing, Town Planning, etc., Act, 1909—

(1) Number of representations made with a view to the making of Closing Orders	2
(2) Number of dwelling-houses in respect of which Closing Orders were made	2
(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit	—
(4) Number of dwelling houses in respect of which Demolition Orders were made	—
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders...	7
(6) Houses demolished voluntarily	1

FACTORIES AND WORKSHOPS.

The duties performed under the Factory and Workshop Act, 1901, are shewn in the following Tables, which are included at the request of the Secretary of State :—

1.—INSPECTION.

PREMISES (1)	Number of		
	Inspections (2)	Written Notices (3)	Prosecutions (4)
Factories (Including Factory Laundries)	18	8	...
Workshops (Including Workshop Laundries)	226	32	...
Workplaces (Other than Outworkers' premises included in Part 3 of this Report)	6	...	...
Total	250	40	...

2.—DEFECTS.

PARTICULARS (1)	Number of Defects			N mber of Prosecutions (5)
	Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	
Nuisances under the Public Health Acts :—				
Want of cleanliness	6	6	Nil	Nil
Want of ventilation	5	5		
Overcrowding	...	...		
Want of drainage of floors	1	1		
Other nuisances	9	9		
Sanitary Accommodation — Insufficient	1	1		
Sanitary Accommodation — Unsuitable or defective ...	15	15		
Sanitary Accommodation — Not separate for sexes ...	2	2		
Offences under the Factory and Workshop Acts :—				
Illegal occupation of underground bakehouse (s. 101)	...	...		
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	11	11		
Other offences (Excluding offences relating to outwork which are included in Part 3 of this Report)	...	...		
Total	50	50	Nil	Nil

3.—HOME WORK.

NATURE OF WORK	OUTWORKERS' LISTS. SECTION 107									OUTWORK IN UNWHOLESOME PREMISES, SECTION 108			OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110			
	Lists received from Employers						Notices served on Occupiers as to keeping or sending lists	Prosecutions								
	Sending twice in the year			Sending once in the year				Failing to keep or permit inspection of lists	Failing to send lists							
	Lists	Outworkers		Lists	Outworkers					Instances	Notices served	Prosecutions	Instances	Orders made (s. 110)	Prosecutions (Sections 109, 110)	
		Contractors	Workmen		Contractors	Workmen										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Wearing Apparel—making, etc. ...	4	10	...	6	6	3	40	...	...	1	1	...	...	...	...	
Total	4	10	...	6	6	3	40	...	...	1	1	...	...	...	...	

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year (1)		Number (2)
Important classes of workshops, such as workshop bakehouses, may be enumerated here	Dress and Mantle-making	33
	Milliners	14
	Tailors	29
	Boot Repairers	33
	Bakehouses	49
	Joiners and Cabinet Makers	35
	Plumbers	22
	Blacksmiths	14
	Other Trades	95
	Total Number of Workshops on Register ..	324

5.—OTHER MATTERS.

Class (1)		Number (2)
Matters notified to H.M. Inspector of Factories:—		
Failure to affix Abstract of the Factory and Workshop Acts (s. 133, 1901)		1
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts, (s. 5, 1901)	Notified by H.M. Inspector ...	16
	Reports (of action taken) sent to H.M. Inspector	16
Other		2
Underground Bakehouses (s. 101) in use at end of the year		3